



Figure S1: Lignin.



Figure S2: Samples after being autoclaved
(30 mg of lignin + 1 mL of 72% sulfuric acid + 28 mL of distilled
water).



Figure S3: Lignin pellets.

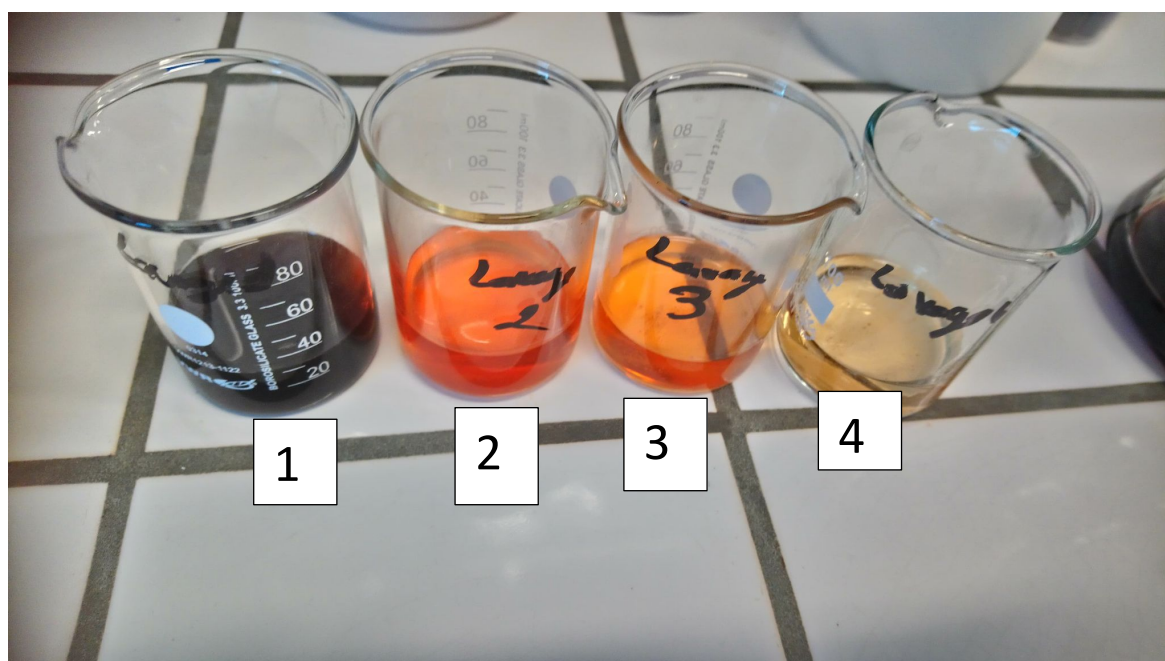


Figure S4: Solid residue washed four times to recover maximum lignin content.

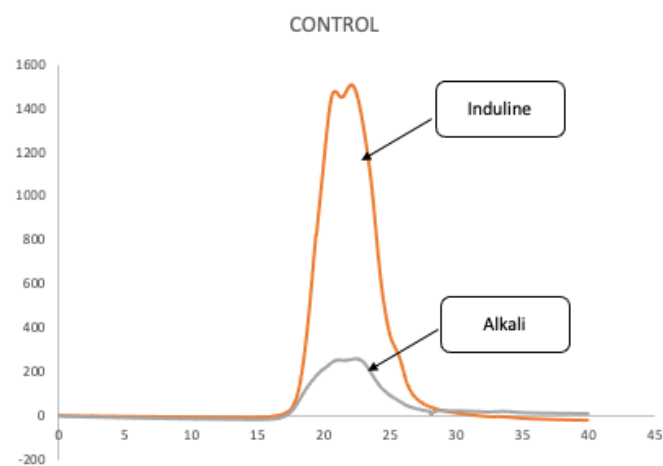


Figure S5: Gel permeation chromatograms of lignin controls, raw and alkali-extracted lignins.

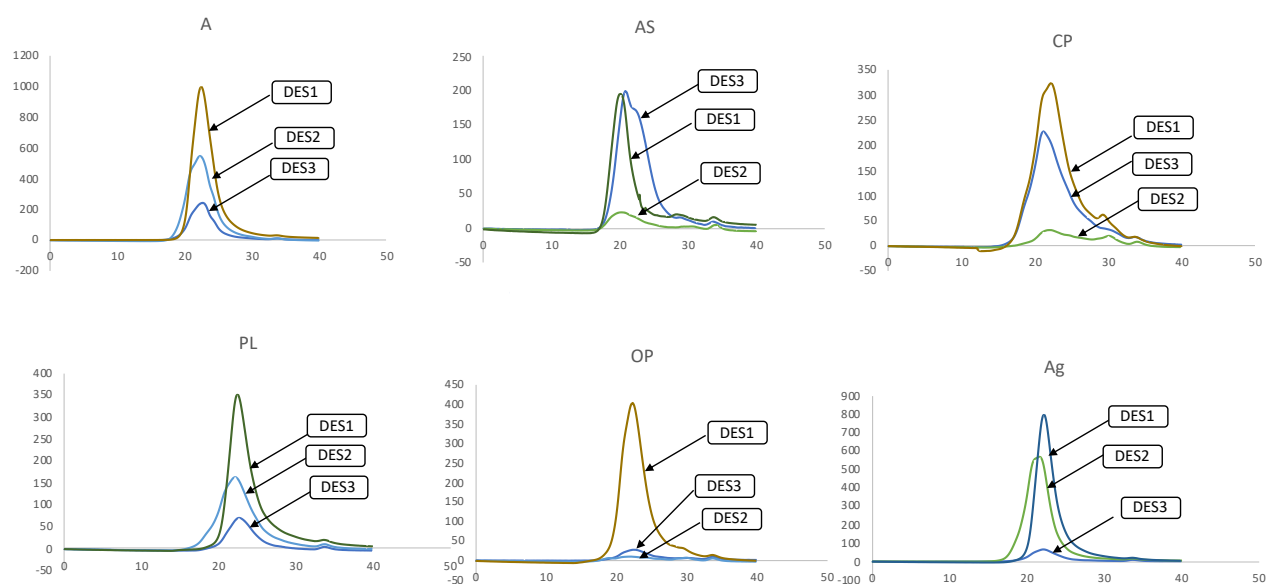


Figure S6: Gel permeation chromatograms of lignin samples.

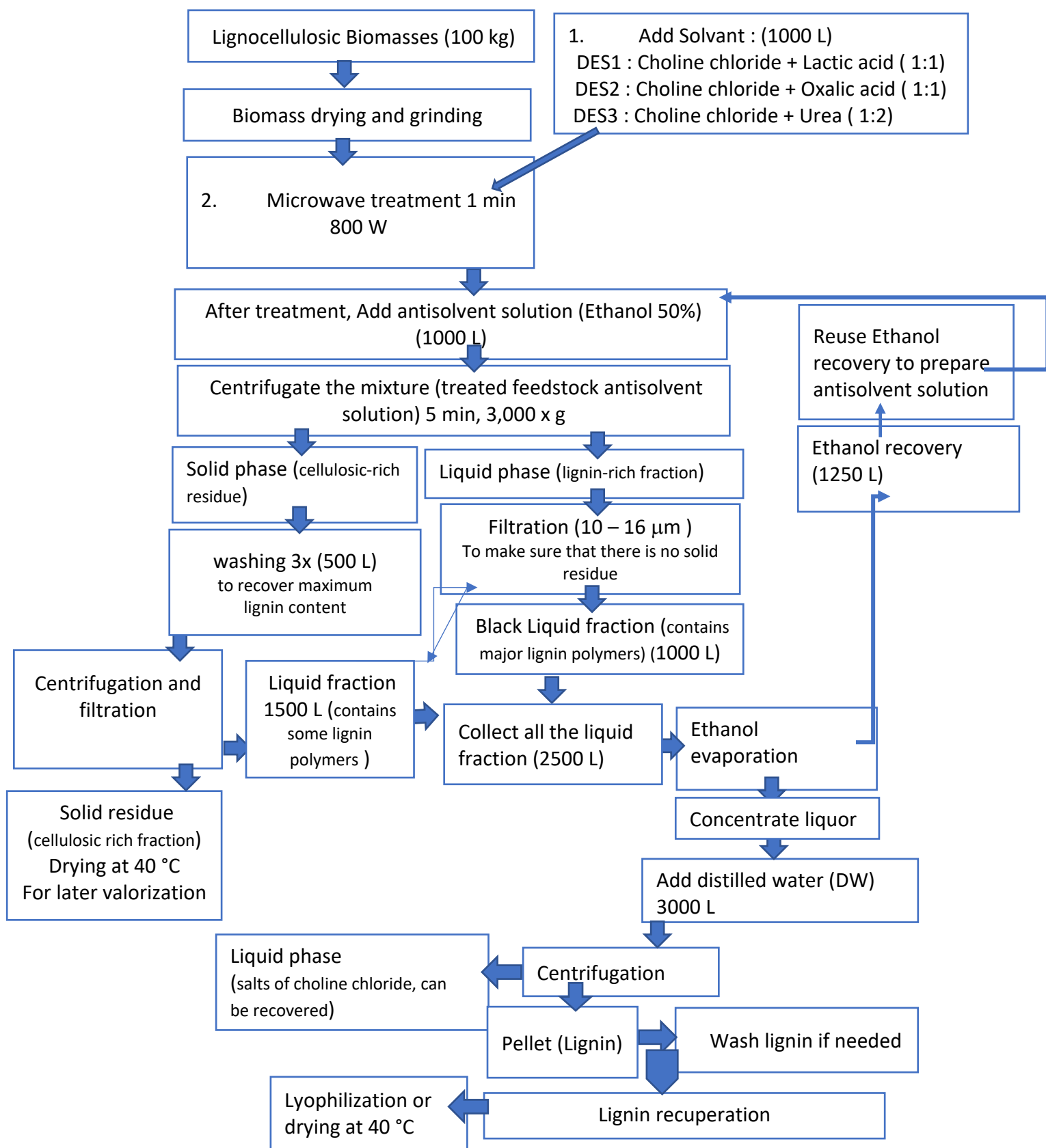


Figure S7 : Flowsheet of the deep eutectic solvent (DES)-microwave process for lignin extraction.

